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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/798,289

03/12/2004

Hae-Jin Hco

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6444

49455 7590 05/17/2007  
STEIN, MCEWEN & BUI, LLP  
1400 EYE STREET, NW  
SUITE 300  
WASHINGTON, DC 20005

EXAMINER

TRAN, MY CHAU T

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

05/17/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/798,289	HEO, HAE-JIN	
	<b>Examiner</b>	<b>Art Unit</b>	
	MY-CHAU T. TRAN	2629	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 April 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-23 is/are allowed.
- 6) ☒ Claim(s) 24 and 25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Application and Claims Status***

1. Applicant's amendment and response filed 04/03/2007 are acknowledged and entered.
2. Claims 1-25 were pending. Applicants have amended claims 1 and 3. No claims were added and/or cancelled. Therefore, claims 1-25 are currently pending and are under consideration in this Office Action.

***Status of Claim(s) Objection(s) and /or Rejection(s)***

3. The objections of claims 1 and 3 have been withdrawn in light of applicant's amendments of claims 1 and 3.

***Maintained Rejection(s)***

***Claim Rejections - 35 USC § 102***

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claims 24 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Kaneko (US Patent 6,188,379 B1).

For ***claims 24 and 25***, Kaneko discloses a field-sequential color display system and the method of driving the color display system (see e.g. Abstract; col. 1, lines 6-12; col. 4, lines 24-29; fig. 4). As illustrated in figure 4, the method comprises two fields that is f1 and f2 wherein each field consists of three subfields, which are fR (i.e. red subfield), fG (i.e. green subfield), and

Art Unit: 2629

fB (i.e. blue subfield)(refers to instant claimed first, second, and third color driving period and instant claim 25)(see e.g. col. 4, lines 42-64). Kaneko discloses the method for displaying bluish green, i.e. activating blue and green subfields (refers to instant claimed activating two colors), and the method comprise the step of sequentially applying a single scan pulse to scan electrode lines of the liquid crystal display apparatus by combining two color driving periods amongst a first, second, and a third color driving periods (see e.g. col. 8, lines 23-36).

Therefore, the method of Kaneko does anticipate the instant claimed invention.

### ***Response to Arguments***

6. Applicant's arguments directed to the above 102(b) rejection were considered but they are not persuasive for the following reasons. Please note that the above rejection has been modified from its original version to more clearly address applicant's newly amended and/or added claims and/or arguments.

[1] Applicant contends that Kaneko fails to teach or suggest activating two colors by combining two color driving periods amongst the three color driving periods since the Kaneko require three driving period, which is not required by the method of instant claim 24.

[2] Applicant alleges that Kaneko fails to teach or suggest activating two colors by sequentially applying a single scan pulse.

Accordingly, Applicants respectfully assert that Kaneko fails to teach or suggest each feature of independent claim 24.

This is not found persuasive for the following reasons:

[1] The examiner respectfully disagrees. It is the examiner's position that Kaneko does teach activating two colors by combining two color driving periods amongst the three color

Art Unit: 2629

driving periods. First, the instant claimed method of claim 24 does require three driving period. Claim 24 recites the limitation of '*combining two color driving periods amongst a first, second, and a third color driving periods*' and claim 25 recites the limitation of '*wherein the first, second, and third color driving periods are red, green, and blue driving subfields, respectively*'. Thus, the instant claimed method of claim 24 does require three driving period. Second, Kaneko teach a method with two fields that is f1 and f2 wherein each field consists of three subfields, which are fR (i.e. red subfield), fG (i.e. green subfield), and fB (i.e. blue subfield)(see e.g. col. 4, lines 42-64). Kaneko discloses a method for displaying bluish green by activating both the blue and green subfields, i.e. '*combining two color driving periods amongst a first, second, and a third color driving periods*', (see e.g. col. 8, lines 23-30). Consequently, Kaneko does teach activating two colors by combining two color driving periods amongst the three color driving periods.

[2] The examiner respectfully disagrees. It is the examiner's position that Kaneko does suggest activating two colors by sequentially applying a single scan pulse to scan electrode lines of the liquid crystal display apparatus. Kaneko discloses the method of activating two colors by sequentially applying a single scan pulse (see e.g. col. 8, lines 23-30).

Therefore, the teachings of Kaneko do anticipate the method of the instant claims, and the rejection is maintained.

***Allowable Subject Matter***

7. Claims 1-23 are allowed.

***Conclusion***

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to MY-CHAU T. TRAN whose telephone number is 571-272-0810. The examiner can normally be reached on Monday: 8:00-2:30; Tuesday-Thursday: 7:30-5:00; Friday: 8:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2629

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

My-Chau T. Tran  
May 9, 2007



RICHARD HJERPE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600